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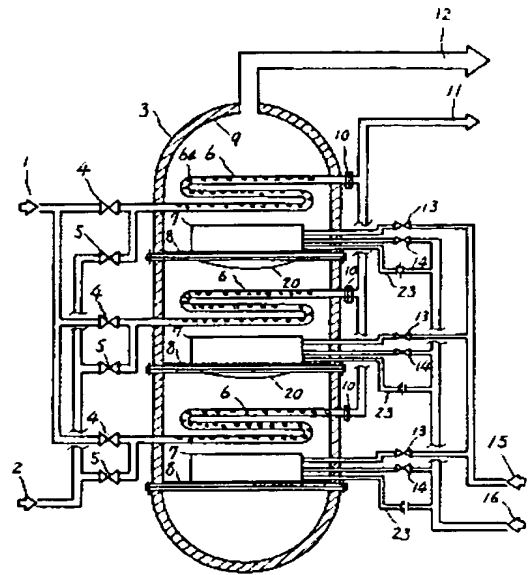
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APPLICANT : HITACHI ENG CO LTD;

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TITLE : FUEL PERFORMER FOR FUEL CELL



ABSTRACT : PURPOSE: To improve profitability and working property during transportation and installation by forming a combination of a reaction part and a combustion part of a reformer as a unit and constructing the reformer body from a plurality of these units.

CONSTITUTION: A combination of a reforming reaction part 6 and a combustion part 7 is formed as a unit, and a reformer 3 is formed by laminating a plurality of these units and has the construction wherein the reaction parts 6 and the combustion parts 7 of the conventional reformer 3 are scattered and arranged in the interior of the body. Each unit has a reforming raw fuel control valve 4 and a steam control valve 5 at the inlet of the reforming reaction part, and a burning air control valve 13 and a fuel control valve 14 are individually provided on the combustion part 7. Further, a filter 10 is provided at the outlet side for a cell fuel 11 of each reforming reaction part 6 to prevent the flowing out of a reforming catalyzer 6a. Moreover, these unit are of flange type to be fastened by a plurality of bolts and nuts so that the reforming device 3 can be assembled at the construction site.

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